

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.-43. (Cancelled).

44. (Currently amended) A single-step method for producing antigen-loaded, ~~antigen-presenting cells~~ dendritic cells comprising the steps of:

maturing monocytes ex vivo with [[a]] human tumor necrosis factor alpha ~~molecule~~ and [[a]] granulocyte-macrophage colony stimulating factor and contacting the monocytes with an ~~antigen antigenic material~~ that induces an ~~antigen-specific immune immunogenic~~ response to form mature antigen-loaded, antigen-presenting dendritic cells in a single step.

45. (Currently amended) The method of claim 44, wherein the antigen loaded, antigen-presenting dendritic cells are produced in less than four days.

46. (Currently amended) The method of claim 44, wherein the ~~antigen antigenic material~~ is selected from the group consisting of antigenic peptides, peptide mimetics, proteins, polyproteins, immune complexes, whole dying cell bodies, dying cell body fragments, viral vectors and liposomes.

47. (Currently amended) The method of claim 44, wherein the ~~antigen antigenic material~~ comprises a heat-treated ~~antigen antigenic material~~.

48. (Currently amended) The method of claim 44, further comprising separating the antigen-loaded, antigen-presenting dendritic cells into fractions containing one or more subsets selected from the group consisting of cells with surface markers (CD1a+ CD207+); cells with surface markers (CD1a+ CD207-); cells with surface markers (CD1a-CD14-); and cells with surface markers (CD14+ CD1a- CD209+) and combinations thereof.

49. (Currently amended) The method of claim 44, wherein the antigen-loaded, antigen-presenting dendritic cells are matured in the presence of a T cell that is CD4+, CD8+ or a combination thereof.

50. (Currently amended) The method of claim 44, wherein the antigen ~~antigenic material~~ comprises an insoluble antigenic cell fraction, a partially soluble cell fraction, whole dying cell bodies, dying cell body fragments or combinations thereof.

51.-72. (Cancelled).